

FIGURE 1

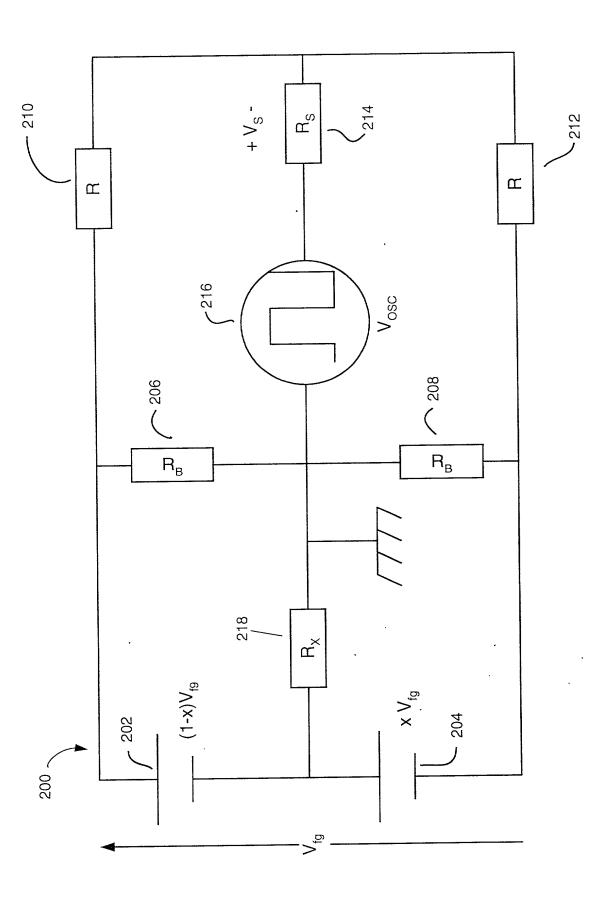


FIGURE 2

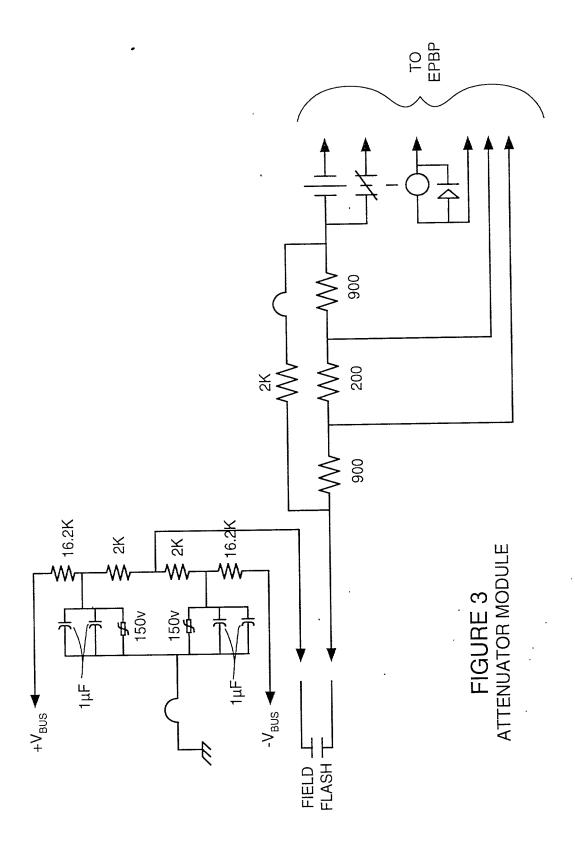


FIGURE 4

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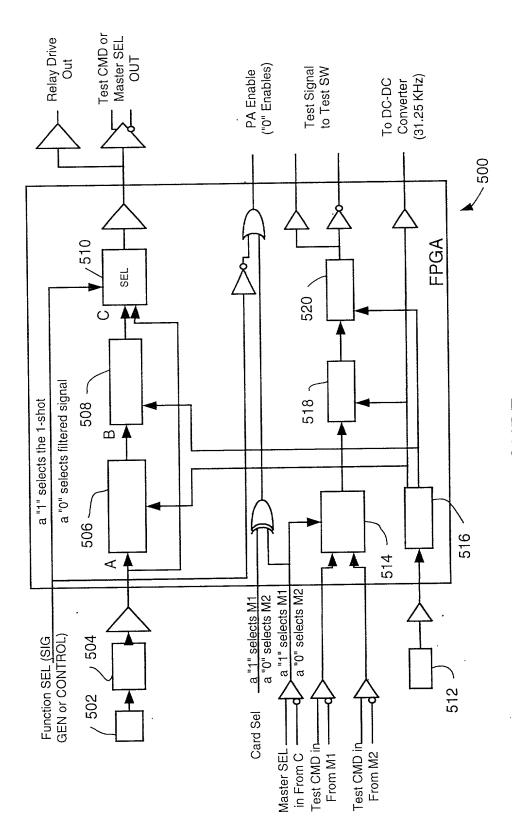


FIGURE 5

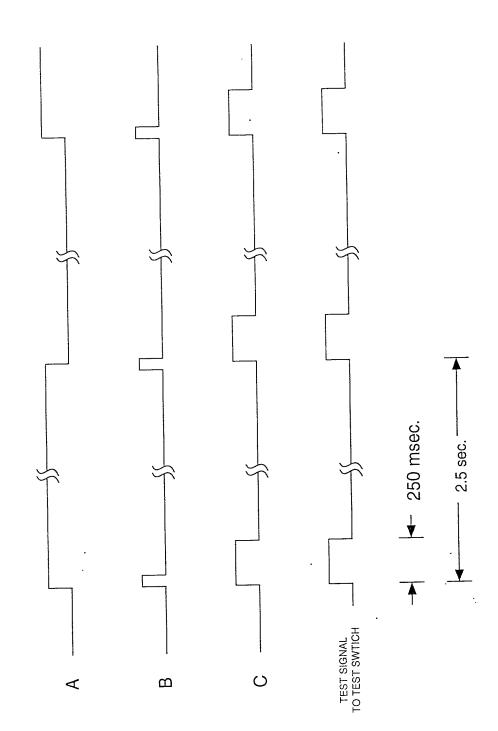
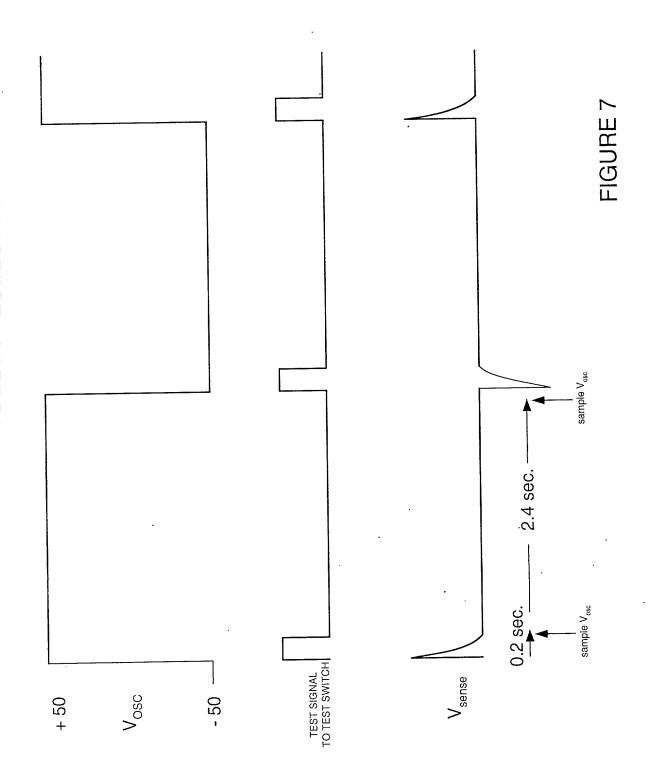


FIGURE 6 TIMING DIAGRAM



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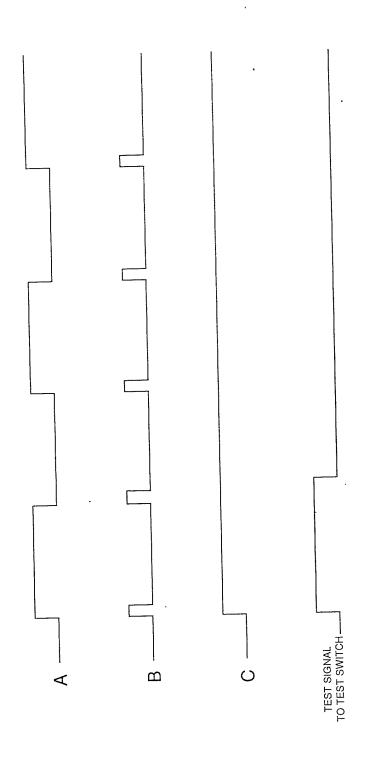
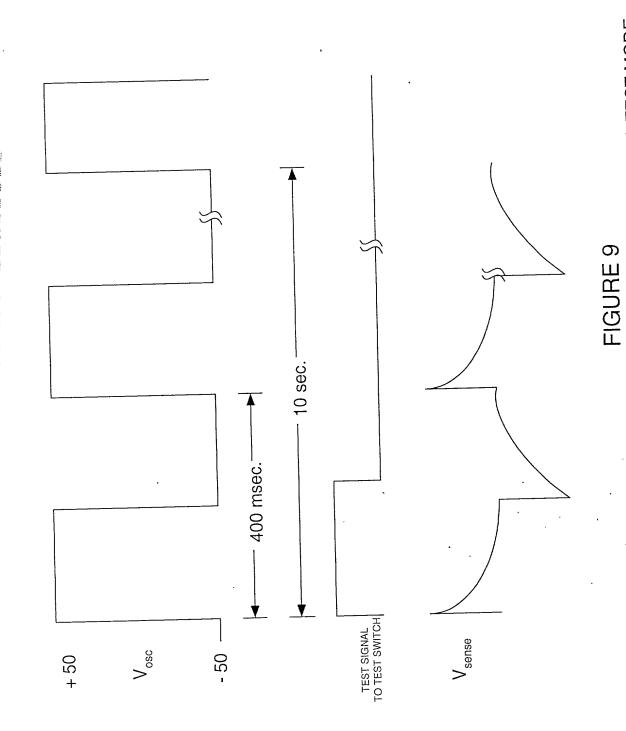


FIGURE 8
TIMING DIAGRAM FOR TEST MODE OPERATION



OPERATION OF FIELD GROUND DETECTOR DURING TEST MODE

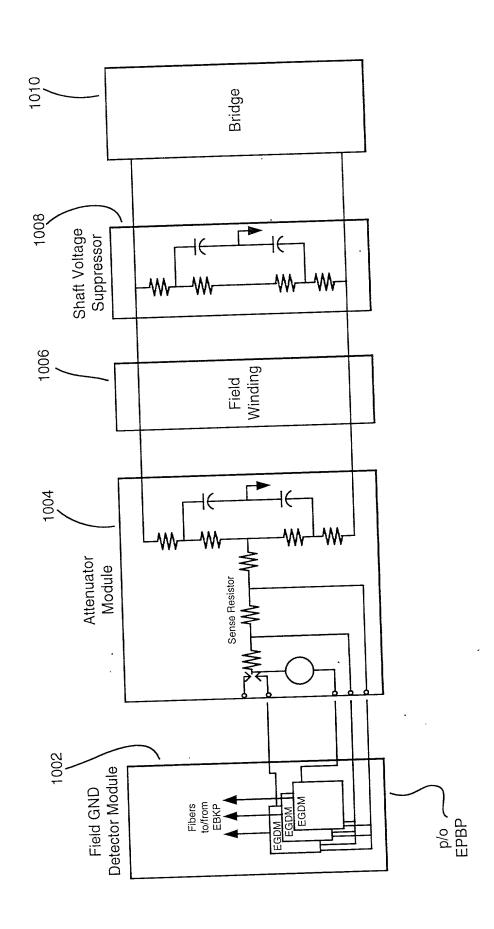
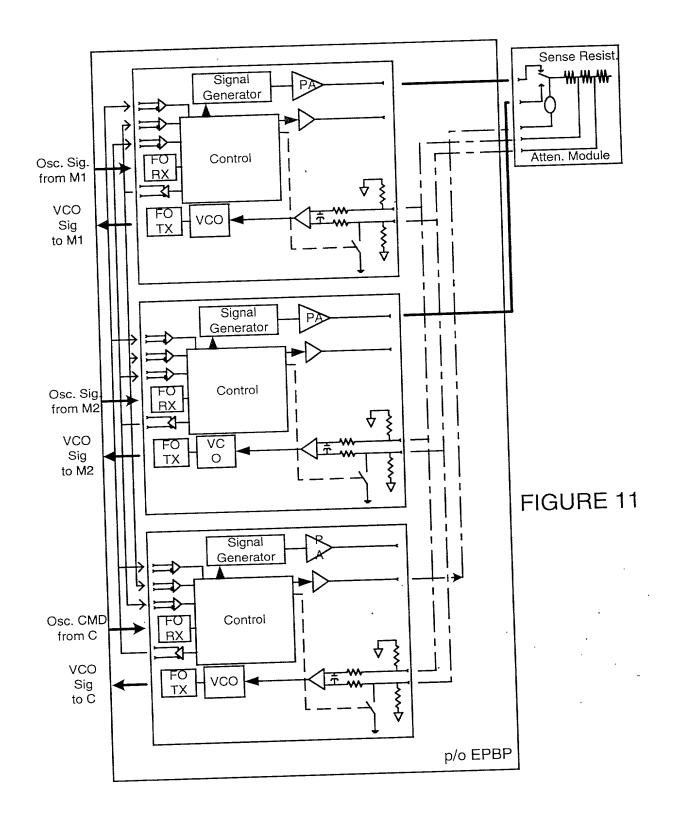


FIGURE 10



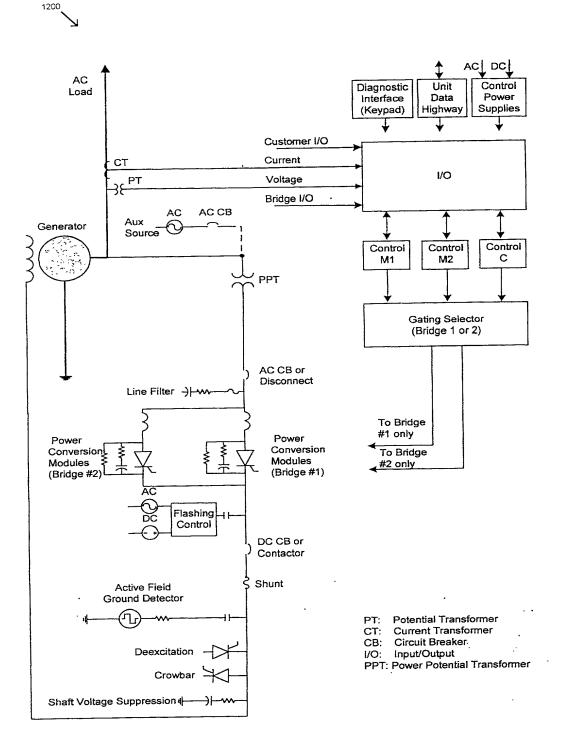


Figure 12